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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/621,902	07/17/2003	David Yu Chang	AUS920030082US1	2139
65362 7590 09/08/2008 HAMILTON & TERRILE, LLP IBM Austin P.O. BOX 203518 AUSTIN, TX 78720				
EXAMINER CAO, PHUONG THAO				
ART UNIT		PAPER NUMBER		
2164				
MAIL DATE		DELIVERY MODE		
09/08/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Notice of Allowability****Application No.**

10/621,902

**Applicant(s)**

CHANG ET AL.

**Examiner**

Phuong-Thao Cao

**Art Unit**

2164

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 04/23/2008.
2. ☒ The allowed claim(s) is/are Claim 1.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Stephen A. Terrile (Reg. No. 32,946) on August 5, 2008.

The application has been amended as follows:

Claim 1 (Currently Amended)      A computer-implemented method for processing names by a naming service within a data processing system, the computer-implemented method comprising:

obtaining an application name that is associated with an application;  
obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application;  
generating an application-based name for the instance of the application;  
storing the application-based name for the instance of the application in a ~~computer storage medium~~, wherein  
the application-based name represents a context within a naming system;  
the application-based name is a compound name that comprises the application

name and multiple deployment names associated with multiple deployment attributes;

each of the multiple deployment attributes is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system, each of the multiple deployment attributes is selected from a group comprising

- a deployment identifier, the deployment identifier being a unique identifier associated with the deployment operation, the deployment identifier being unique over all deployment operations within the data processing system or unique over all deployment operations for all instances of the application within the data processing system;
- a version identifier or an edition identifier associated with a version of the application; and
- an identifier for a deployment-associated characteristic or metric;

binding the application-based name to a data object;

relating the data object to a context for an application server; and

resolving the application-based name to a previously bound data object; and wherein

an application comprises a plurality of application modules, each module being associated with a module name and each module being associated with an application-based name based on its module name.

2. The following is an examiner's statement of reasons for allowance:

The present invention is directed to method for processing names by a naming service to generate application-based names, which are compound names including application name and multiple deployment names, and provide an improved naming system for supporting the installation or deployment of applications and subsequent support in an execution environment for those applications.

The closest prior art of record, Lee et al. (US Patent No 5,745,683) teaches a Federated Naming Framework System including a Federated Naming Service Provider Interface for four kinds of Name Services, which includes a naming service for generating compound names, such as a Naming or Directory service for generating names for files and directories in a file system (see column 1, line 60 to column 2, lines 15).

However, Lee et al. fails to anticipate or render obvious the recited features of "generating an application-based name for the instance of the application, wherein the application-based name represents a context within a naming system; the application-based name is a compound name that comprises the application name and multiple deployment names associated with multiple deployment attributes", "each of the multiple deployment attributes is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system, each of the multiple deployment attributes is selected from a group comprising deployment identifier, the deployment identifier being a unique identifier

associated with the deployment operation, the deployment identifier being unique over all deployment operations within the data processing system or unique over all deployment operations for all instances of the application within the data processing system; a version identifier or an edition identifier associated with a version of the application; and an identifier for a deployment-associated characteristic or metric” and “each module being associated with an application-based name based on its module name”, as in independent claim 1.

These features, together with the other limitations of the independent claim are novel and non-obvious over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Phuong-Thao Cao** whose telephone number is (571)272-2735.

The examiner can normally be reached on 8:30 AM - 5:00 PM (Mon - Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Charles Rones** can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. T. V./  
Primary Examiner, Art Unit 2163

Phuong-Thao Cao, Examiner  
Art Unit 2164  
August 5, 2008

/Charles Rones/

Supervisory Patent Examiner, Art Unit 2164